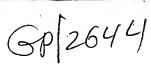
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UNITED STATES PATENT AND TRADEMARK OFFICE (Attorney Docket No. 10952US05)

In the Application of:

Tim Chase

Serial No. 10/083,902

Filed: Feb

February 26, 2002

For:

Audio Distribution and

Production System

Examiner:

Group Art Unit:

2644

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sirs:

Pursuant to 37 C.F.R. § 1.97-1.98 and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, it is respectfully requested that the following references be considered in the examination of the above-identified patent application:

U.S. Patent No.	<u>Date</u>	<u>Name</u>
3,626,295	12/07/71	Sabrui
3,898,376	08/05/75	Nabeyama et al.
4,130,730	12/19/78	Ostrowski
4,346,262	08/24/82	Willems et al.
4,494,238	01/15/85	Groth
4,544,950	10/01/85	Tu
4.624.012	11/18/86	Lin et al.

57. "The Very Least You Need to Know to Operate a *DaX*" brochure, <u>MUSICAM</u> EXPRESS, L.L.C., July, 1996

The above-identified reference(s) are listed on the attached Form PTO-1449 and copies are also enclosed herewith. This submission is in no way intended as an admission that the above-cited references constitute prior art. Applicant expressly retains the right to take any actions necessary to remove the above-cited references from the available prior art. Consideration of the above-identified references in the examination of the present patent application is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Account No. 13-0017.

Respectfully submitted,

Joseph M. Barich

Registration No. 42,291
Attorney for Applicant

March 17, 2003

Date

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U.S. Patent No.	<u>Date</u>	<u>Name</u>
4,641,343	02/03/87	Holland et al.
4,720,873	01/19/88	Goodman et al.
4,725,886	02/16/88	Galumbeck et al.
4,731,783	03/15/88	Fontanes
4,763,321	08/09/88	Calvignac et al.
4,821,260	04/11/89	Klank et al.
4,831,624	05/16/89	McLaughlin et al.
4,907,277	03/06/90	Callens et al.
4,916,539	04/10/90	Galumbeck et al.
4,972,484	11/20/90	Theile et al.
5,111,292	05/05/92	Kuriacose et al.
5,132,992	07/21/92	Yurt et al.
5,144,431	09/01/92	Citta et al.
5,151,998	09/29/92	Capps
5,161,210	11/03/92	Druyvesteyn et al.
5,214,708	05/25/93.	McEachern
5,239,540	08/24/93	Rovira et al.
5,253,275	10/12/93	Yurt et al.
5,282,028	01/25/94	Johnson et al.
5,282,202	01/25/94	Bernstein et al.
5,287,351	02/15/94	Wall, Jr. et al.
5,301,363	04/15/94	Hinderks
5,305,440	04/19/94	Morgan et al.
5,319,707	06/07/94	Wasilewski et al.
5,325,423	06/28/94	Lewis
5,333,155	07/26/94	Dambacher
5,341,457	08/23/94	Hall, II et al.
5,349,699	09/20/94	Erben et al.

U.S. Patent No.	<u>Date</u>	<u>Name</u>
5,375,068	12/20/94	Palmer et al.
5,381,412	01/10/95	Otani
5,388,182	02/07/95	Benedetto et al.
5,389,965	02/14/95	Kuzma A. J.
5,392,066	02/21/95	Fisher et al.
5,392,353	02/21/95	Morales
5,394,561	02/28/95	Freeburg
5,396,497	03/07/95	Veltman
5,403,639	04/04/95	Belsan et al.
5,404,567	04/04/95	DePietro et al.
5,406,558	04/11/95	Rovira et al.
5,414,773	05/09/95	Handelman
5,432,907	07/11/95	Picazo, Jr., et al.
5,440,336	08/08/95	Buhro et al.
5,455,570	10/03/95	Cook et al.
5,461,619	10/24/95	Citta et al.
5,463,424	10/31/95	Dressler
5,479,447	12/26/95	Chow et al.
5,490,136	02/06/96	Sereno et al.
5,490,233	02/06/96	Kovacevic
5,493,339	02/20/96	Birch et al.
5,493,647	02/20/96	Miyasaka et al.
5,495,554	02/27/96	Edwards et al.
5,508,949	04/16/96	Konstantinides
5,515,107	05/07/96	Chiang et al.
5,528,725	06/18/96	Hui
5,530,655	06/25/96	Lokhoff et al.
5,534,913	07/09/96	Majeti et al.

U.S. Patent No.	<u>Date</u>	<u>Name</u>
5,535,300	07/09/96	Hall II et al.
5,550,863	08/27/96	Yurt et al.
5,557,334	09/17/96	Legate
5,557,724	09/17/96	Sampat et al.
5,559,549	09/24/96	Hendricks et al.
5,566,209	10/15/96	Forssen et al.
5,581,653	12/03/96	Todd
5,583,962	12/10/96	Davis et al.
5,586,121	12/17/96	Moura et al.
5,588,024	12/24/96	Takano
5,590,108	12/31/96	Mitsuno et al.
5,594,490	01/14/97	Dawson et al.
5,606,668	02/25/97	Shwed
5,608,446	03/04/97	Carr et al.
5,633,981	05/27/97	Davis
5,659,615	08/19/97	Dillon
5,659,877	08/19/97	Enomoto et al.
5,675,575	10/07/97	Wall, Jr. et al.
5,694,334	12/02/97	Donahue et al.
5,694,490	12/02/97	Howell et al.
5,694,546	12/02/97	Reisman
5,699,411	12/16/97	Becker et al.
5,706,335	01/06/98	Hinderks
5,727,002	03/10/98	Miller et al.
5,732,078	03/24/98	Arango
5,732,216	03/24/98	Logan et al.
5,737,739	04/07/98	Shirley et al.
5,751,356	05/12/98	Suzuki et al.

U.S. Patent No.	<u>Date</u>	<u>Name</u>
5,778,187	07/07/98	Monteiro et al.
5,778,372	07/07/98	Cordell et al.
5,781,909	02/14/98	Logan et al.
5,809,145	09/15/98	Slik et al.
5,818,441	10/06/98	Throckmorton et al.
5,818,845	10/06/98	Moura et al.
5,828,655	10/27/98	Moura et al.
5,828,839	10/27/98	Moncreiff
5,835,726	11/10/98	Shwed et al.
5,838,906	11/17/98	Doyle et al.
5,841,979	11/24/98	Schulhof et al.
5,848,386	12/08/98	Motoyama
5,852,721	12/22/98	Dillon et al.
5,862,325	01/19/99	Reed et al.
5,881,131	03/09/99	Farris et al.
5,893,091	04/06/99	Hunt et al.
5,894,554	04/13/99	Lowery et al.
5,987,480	11/16/99	Donohue et al.
5,991,292	11/23/99	Focsaneanu
5,991,306	11/23/99	Burns et al.
5,991,596	11/23/99	Cunningham et al.
5,995,726	11/30/99	Dillon
6,002,720	12/14/99	Yurt et al.
6,006,173	12/21/99	Wiese et al.
6,018,764	01/25/00	Field et al.
6,021,307	02/01/00	Chan
6,023,345	02/08/00	Bloomfield
6,034,689	03/07/00	White et al.

U.S. Patent No.	<u>Date</u>	<u>Name</u>
6,038,594	03/14/00	Puente et al.
6,041,295	03/21/00	Hinderks
6,041,359	03/21/00	Birdwell
6,049,551	04/11/00	Hinderks et al.
6,055,244	04/25/00	Wall, Jr. et al.
6,078,961	06/20/00	Mourad et al
6,085,235	07/04/00	Clarke, Jr. et al.
6,094,427	07/25/00	Yi
6,094,671	07/25/00	Chase et al.
6,101,180	08/08/00	Donahue et al.
6,115,750	09/05/00	Dillon et al.
6,128,374	10/03/00	Hinderks
6,144,702	11/07/00	Yurt et al.
6,160,797	12/12/00	Robert III et al.
6,188,689	02/13/01	Katsube et al.
6,205,473	03/20/01	Thomasson et al.
6,212,201	04/03/01	Hinderks et al.
6,310,893	10/30/01	Yuan et al.
6,351,727	02/26/02	Wiese et al.
6,351,728	02/26/02	Wiese et al.
6,359,882	03/19/02	Robles et al.
6,373,927	04/16/02	Hinderks
6,411,607	06/25/02	Robert III et al.
6,411,616	06/25/02	Donahue et al.
6,490,551	12/03/02	Wiese et al.
Des. 264,691	06/01/82	Volkland et al.
Des. 267,249	12/14/82	Fukushima et al.
Des. 277,569	02/12/85	Georgopulus
		•

<u>Date</u>	<u>Name</u>
12/31/85	Suzuki et al.
05/05/87	Imazeki
08/18/87	Pedinielli et al.
08/09/94	Roy
09/13/94	Sakuta et al.
09/17/96	Hinderks
04/22/86	Atal
04/26/01	Hinderks et al.
11/08/01	Hinderks
06/27/02	Wiese
08/08/02	Roberts, III et al.
11/28/02	Chase
12/19/02	Chase et al.
	12/31/85 05/05/87 08/18/87 08/09/94 09/13/94 09/17/96 04/22/86 04/26/01 11/08/01 06/27/02 08/08/02 11/28/02

FOREIGN PATENTS:

Patent No.	<u>Date</u>	<u>Name</u>
AU 744624	10/19/00	Chase
CA 2,199,360	06/26/01	Donahue et al.
DE 33 13 841 A1	10/18/84	Heckel
DE 34 40 613 C1	04/10/86	Theile et al.
DE 36 38 922 A1	05/26/88	Plenge et al.
DE 36 45 150 C2	05/26/88	Plenge et al.
DE 42 37 366 A1	05/11/94	Kirchner
EP 0 139 803	05/08/85	Callens
EP 0 174 636	03/19/86	Buchsteiner
EP 0 271 805	06/22/88	Klank et al.
EP 0 343 792 A2	11/29/89	Renfors et al.
EP 0 372 601 A1	06/13/90	Druyvesteyn et al.

FOREIGN PATENTS: (cont.)

Patent No.	<u>Date</u>	<u>Name</u>
EP 0 510 247 A2	08/02/91	Dambacher
EP 0 510 247 A3	08/02/91	Dambacher
JP 5227164	09/03/93	Shomura Yoshiyuki
Kokai 1-188043	07/27/89	Canon K.K.
Kokai 1-309489	12/13/89	Sato Masahiko
Kokai 3-278730	12/10/91	Sony Corp.
Kokai 4-134995	05/08/92	Nippon Denshin Denwa
Kokai 5-103233	04/23/93	Michio et al.
Kokai 5-290442	11/05/93	Masato et al.
Kokai 6-133220	05/13/94	Yoshifumi et al.
Kokai 6-141005	05/20/94	Tonomura Yoshinobu
Kokai 6-276169	09/30/93	Nippon Hoso Kyokai
Kokai 63-128829	06/01/88	Nippon Denki K.K.
Kokai 63-240228	10/05/88	Matsushita Denkisangyo K.K.
Kokai 7-153243	06/16/95	Kiyoyuki et al.
Kokai 7-154347	11/29/93	Sony Corp.
WO 89/09965	10/19/89	McLaughlin et al.
WO 92/10040	06/11/92	Rovira et al.
WO 92/12599	07/23/92	Yurt et al.
WO 92/17948	10/15/92	Wiese et al.
WO 93/02412	02/04/93	Becker et al.
WO 93/09631	05/13/93	Levinson
WO 95/23493	08/31/95	Moller et al.
WO 96/08095	03/14/96	Donahue et al.
WO 96/32710	10/17/96	Hinderks
WO 96/32805	10/17/96	Hinderks
WO 97/07606	02/27/97	Hinderks et al.

FOREIGN PATENTS: (cont.)

Patent No.	<u>Date</u>	<u>Name</u>
WO 97/09801	03/13/97	Chase
WO 97/48051	12/18/97	Cohen
WO 98/15887	04/16/98	Chase et al.
WO 98/20724 A2	05/22/98	Donahue et al.
WO 00/25482	05/04/00	Roberts et al.
WO 02/069073 A2	09/06/02	Roberts et al.

OTHERS:

- 1. "Draft AES recommended practice for professional audio subjective evaluation of loudspeakers," Draft AES20-xxxx, <u>Standards and Information Documents</u>
- 2. "Asymmetric Internet Access over Satellite-Terrestrial Networks," V. Arora, N. Suphasindhu, J.S. Baras, D. Dillon, <u>Center for Satellite and Hybrid Communication</u>
 Networks.
- 3. Precision Telephone Product Tester at bottom left, p. 297, located in Group 2900 library, B. A. Pargh Company, Inc. catalog
- 4. "A Systems Approach to Non-Transcoded Audio Delivery, A Step Toward Digital Compatibility," Richard J. Becvar, Annual Proceeding of the National Association of Broadcasting, March 20, 1994.
- 5. "ISO-MPEG-1 Audio: A Generic Standard for Coding of High-Quality Digital Audio," Brandenburg et al., J. Audio Eng. Soc., Vol. 42, No. 10, Oct. 1994, pp. 780-792.
- 6. CDQ1000 Reference Manual, Revision 3.3, May, 1994, CCS Audio Products
- 7. CDQ2000 Reference Manual, Rev. 6.92-2, July 27, 1994, CCS Audio Products
- 8. CDQ2001 Reference Manual, Revision 2.2-3, August 1994, Musicam USA
- 9. "SpectraCast DR1000 Integrated Receiver Decoder," Crown Satellite, March, 1998
- 10. "120/140 Mbit/s Portable HDTV Codec and its Transmission Performance in a Field Trial via INTELSAT Satellite," Shuichi Matsumoto and Hitomi Murakami, <u>8376</u>

Signal Processing Image Communication, Elsevier Science Publishers, vol. 4, Nos. 4/5, August 1, 1992, pp. 359-377, xp000293754, Amsterdam, NE

- 11. "The Internet Multicast from ITS: How it was Done and Implications for the Future," Luis F. M. de Moraes and Stephen B. Weinstein, <u>IEEE Communications</u>

 Magazine, January, 1995
- 12. "The Motion Pictures Experts Group Digital Compression Standard and its Role in Satellite Systems," Frank Laczko, <u>Proceedings of 1993 IEEE National Telesystems</u>

 <u>Conference, June 16-17, 1993, pp. 117-119, xp002163561, Atlanta, GA, USA</u>
- 13. "MPEG: A Video Compression Standard for Multimedia Applications," Didier Le Gall, Communications of the Association for Computing Machinery, vol. 34, no. 4, April 1, 1991, pp. 46-58, xp000228788, NY, USA
- 14. "Principles of Digital Audio," Ken C. Pohlmann, McGraw-Hill Video/Audio Professional, 4th edition, pp. 482-483.
- 15. "Infinity Boards the MUSICAM Express," Radio Ink, p. 10, May 8-21, 1995
- 16. "Digital Audio Dictionary," Howard W. Sams, Prompt Publications
- 17. "Introduction to Data Compression," Khalid Sayood, 1996
- 18. "MCPC VSAT's for Rural Network," M. L. Sharma, <u>Digital Satellite</u>

 <u>Communications</u>, 1995, 10th <u>International Conference</u>, pp. 484-490.
- 19. Advertisement from ET/D of May 1978, Model 452, Simpson Electric Co.
- 20. "Digital Video and Audio Compression," Stephen J. Solari
- 21. "AT&T, Starburst Offer Reliable, Satellite-Based Multicasting," <u>StarBurst</u> Communications Press Release, April 2, 1996
- 22. "Comet PC-to-PC File Transfer Application Software," <u>Starguide Ditigal</u>
 <u>Networks, Inc.</u> publication 1996 (2 pages)
- 23. "HSS High Speed ISA Bus PC Interface Board," <u>Starguide Ditigal Networks, Inc.</u> publication 1996 (2 pages)
- 24. "MPEG 2 Digital Video Decoder Module," <u>Starguide Ditigal Networks, Inc.</u> publication 1996 (2 pages)

- 25. "MUSICAM MPEG Layer II Digital Audio Decoder Module," <u>Starguide Ditigal</u>
 <u>Networks, Inc.</u> publication 1996 (2 pages)
- 26. "RS-422, V.35, RS-232C Clear Channel Synchronous Data Interface Module," Starguide Ditigal Networks, Inc. publication 1996 (2 pages)
- 27. "Specification for Satellite Data Broadcasting System Software v. 1.0," <u>Starguide</u> <u>Ditigal Networks, Inc.</u> publication 10/31/95 (7 pages)
- 28. "Starguide II Digital Multimedia Satellite Receiver," <u>Starguide Ditigal Networks</u>, <u>Inc.</u> publication (2 pages)
- 29. "Starguide MX3 Digital Multimedia Multiplexer," <u>Starguide Ditigal Networks</u>, <u>Inc.</u> publication (2 pages)
- 30. "Starguide MX3 Digital Multimedia Satellite Hub," <u>Starguide Ditigal Networks</u>, <u>Inc.</u> publication (2 pages)
- 31. "Virtual Bandwidth Network Management System (VBNMS) Software," Starguide Ditigal Networks, Inc. publication (2 pages)
- 32. "Virtual Bandwidth Network Management System, Users Guide," <u>Starguide</u> <u>Ditigal Networks, Inc.</u> publication 1996, pp. 1-83
- 33. "Installation and Operation of the DaX," <u>Starguide Ditigal Networks, Inc.</u> publication 04/25/95, pp. 1-16
- 34. "StarGuide II Satellite Receiver User's Manual," <u>Starguide Ditigal Networks, Inc.</u> publication, Rev. B 6/96, pp. 1-56
- 35. "RS-232 Asynchronous Services Statistical Demux Interface Module," <u>Starguide</u>
 <u>Ditigal Networks, Inc.</u> publication 1996
- 36. Conway Phone-a-lyzer II, p. 96, <u>Telephony's Buyer's Guide 1990/91</u>
- 37. "Telos Zephyr Digital Network Audio Transceiver User's Manual," (selected portions), Manual Version: Non-ISDN 1.0, April 94
- 38. Clearlink IP Router Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
- 39. "VSAT Network Components;" Tridom, released 1/26/97 printed from web page 02/05/03

- 40. Clearlink System 100 Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
- 41. "Bandwidth On Demand Satellite Network Table Definitions," StarGuide Digital, version 2.0, August 29, 1996, pp. 1-8, <u>Virtex Communications</u>, <u>LLC</u>
- 42. "StarGuide Multiplexer User's Manual," Version 6.01, October 5, 1996, pp. 1-26, Virtex Communications, LLC
- 43. "Symphony Integrated Satellite Receiver Software High Level Design," Version 1.0, April 28, 1995, pp. 1-24, <u>Virtex Communications, LLC</u>
- 44. "Symphony Integrated Satellite Receiver Product Specification," Version 1.1, May 5, 1995, pp. 1-11, Virtex Communications, LLC
- 45. StarGuide II Tracking brochure, 1995, Virtex Communications, L.L.C.
- 46. "MUSICAM EXPRESS Brochure, 1995, Virtual Express Communications, L.L.C.
- 47. "Compression in Video and Audio," John Watkinson, 1995
- 48. Webpage printouts, IDR V1000 Specification, WavePhore Networks, 12/10/97
- 49. "WavePhore and SkyCache to Renovate Internat Backbone," webpage printout, WavePhore Networks, 03/11/98
- 50. "Digital Video: The iPump," <u>Wegener Communications</u>, web page printed 02/05/03
- 51. "Digital Video: The UNITY 5000," Wegener Communications, web page printed 02/05/03
- 52. "Digital Video: UNITY Option Cards," <u>Wegener Communications</u>, 1999, web page printed 02/14/03
- 53. "Digital Video: The UNITY 401," Wegener Communications, 1999, web page printed 02/14/03
- 54. "Modeling and Performance Analysis of File Transfer in a Satellite Wide Area Network," Oliver W. W. Yang et al., <u>IEEE Journal on Selected Areas in Communications</u>, vol. 10, No. 2, February, 1992
- 55. "Psychoacoustics Facts and Models," E. Zwicker and H. Fastl, 1990
- 56. "What is DaX?," Virtex Communications, L.L.C., 1994